

Title (en)
GUIDING DEVICE

Publication
EP 0140003 B1 19880330 (DE)

Application
EP 84110200 A 19840828

Priority
DE 3336002 A 19831004

Abstract (en)
[origin: US4615568A] The disclosed guide device utilizes no rigidly mounted external guide elements. However, a guide element freely slidable on an air cushion on a flat base can be lowered from the interior of a slide element (by removal of the air cushion) onto the base. Once the guide element has been lowered, it is fixed by subpressure onto the base and takes over the function of a rigidly mounted guide. The guide element, which was previously freely slidable on the base, is now exactly positionable along the guide of the guided element. If the displacement path is to be increased, then the slide piece element is fixed by subpressure on the base, the guide element is again acted upon with compressed air and driven within the slide piece in a displacement direction and at the end of the interior space is again fixed to the base. Now the slide piece is again released and can on its air cushion be further positioned exactly in the displacement direction. This stepwise movement is limited only by the size of the base.

IPC 1-7
F16C 29/02; **F16C 32/06**

IPC 8 full level
G01B 21/00 (2006.01); **B23Q 1/58** (2006.01); **B23Q 1/62** (2006.01); **F16C 29/02** (2006.01); **F16C 32/06** (2006.01); **G12B 5/00** (2006.01)

CPC (source: EP US)
B23Q 1/58 (2013.01 - EP US); **B23Q 1/621** (2013.01 - EP US); **F16C 29/025** (2013.01 - EP US); **F16C 32/06** (2013.01 - EP US);
F16C 2322/39 (2013.01 - EP US)

Citation (examination)
DE 1258671 C

Cited by
FR2582557A1; DE102011085339A1; DE102011085339B4

Designated contracting state (EPC)
AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0140003 A2 19850508; **EP 0140003 A3 19860219**; **EP 0140003 B1 19880330**; AT E33291 T1 19880415; DE 3336002 A1 19850418;
DE 3336002 C2 19851107; DE 3470197 D1 19880505; JP H0420152 B2 19920331; JP S6097290 A 19850531; US 4615568 A 19861007

DOCDB simple family (application)
EP 84110200 A 19840828; AT 84110200 T 19840828; DE 3336002 A 19831004; DE 3470197 T 19840828; JP 20570584 A 19841002;
US 64878784 A 19840907